



Non-Contact Infrared Forehead Thermometer

Carefully read these instructions and warnings
before use and keep for future reference.



User's Manual

REF: FT-100C, English

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Intended Use

The Infrared Non-Contact Forehead Thermometer is intended for the intermittent measurement of human body temperature at home using the forehead. For use on children and adults.



Important: A control measurement using a conventional thermometer is recommended in the following cases:

1. If the measurement reading is surprisingly low.
2. For new-born infants up to 100 days old.
3. For children under three years of age who have a weakened immune system or who react unusually in the presence or absence of fever.

**IMPORTANT SAFETY INSTRUCTIONS, READ THIS
USER MANUAL BEFORE USE**

KEEP THESE INSTRUCTIONS IN A SAFE PLACE

Restrictions of Use:



This thermometer is clinically proven to produce accurate temperature measurements. However, be advised that the accuracy of the device cannot be ensured when the thermometer probe (at the top of the device) is not clean. Check that the probe is clean before taking a measurement.

How does it work.

The thermometer measures the infrared heat generated by the surface of the skin over the vessel and its surrounding tissue. Temperature The thermometer then converts this into a temperature value.

The thermometer does not emit any infrared signal. The device can also be used to measure the surface temperature of objects.

Safety Precautions and Warnings

- The thermometer should only be used for the intended purpose described in this manual.
- Use of this thermometer is not intended as a substitution for consultation with your physician.
- Proper technique is crucial to obtain accurate temperature readings. Please read this manual thoroughly and carefully before use.
- This device is not a toy; store in a safe place and keep out of the reach of children.
- Never leave children or vulnerable people alone to take their temperature-
- Allow the thermometer and the individual to adapt to the environment temperature for at least 30 minutes prior to use.
- If the thermometer detects a fever or you are worried about your temperature reading please consult your physician immediately.
- Avoid direct sunlight.
- Do not drop the thermometer or use if damaged.
- Do not touch the probe at the top of the thermometer.

- Do not disassemble the thermometer.
- The ambient operating range for the thermometer is 10°C to 40°C (50°F to 104°F) with less than 95% relative humidity.
- The thermometer must be stored in a cool, dry place between 5°C to 55°C (41°F to 131°F) with a relative humidity less than 95%.

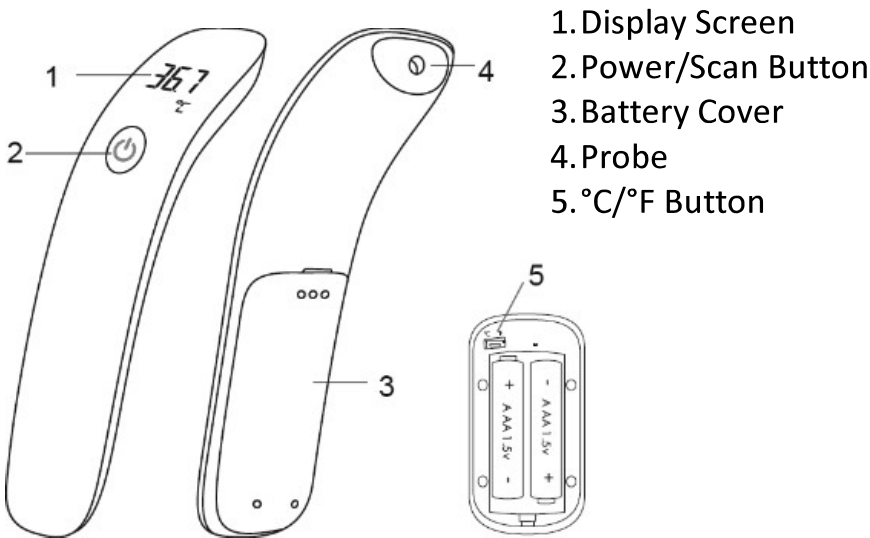
Features

- Easy to use forehead temperature measurement, with no skin contact required.
- Audible beeps when measurement complete.
- Body & Object measurement modes.
- °C & °F measurements
- Large clear display can be read day or night.
- Allows for the storage and recall of up to 20 temperature measurements.
- The thermometer will turn off automatically after approximately 15 seconds.

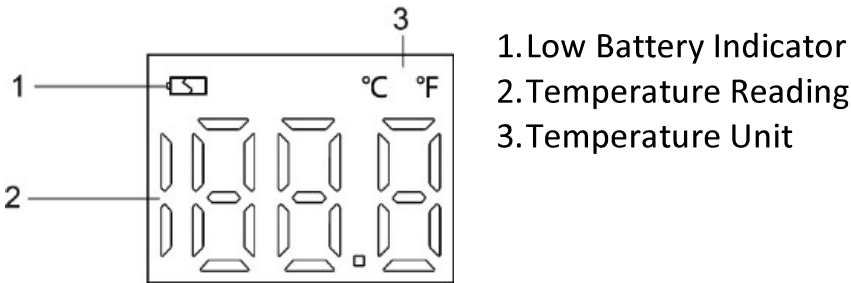
Package contents

1x Non-Contact Infrared thermometer
2x 1.5V AAA Alkaline Batteries
1x User Manual

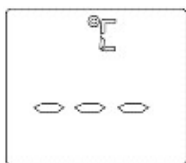
Product Description



LED Display

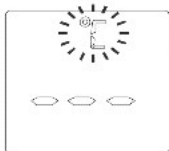


Display Mode



1. Forehead Mode

This mode is used to measure the forehead temperature.

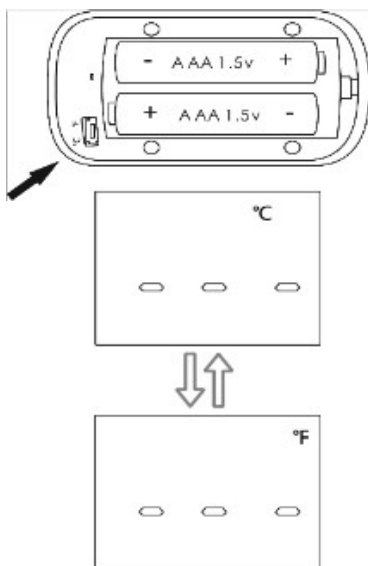


2. Object Mode

This mode is used to measure the surface temperature on an object. This is indicated by the temperature unit flashing.

Measurement Unit Selection:

To switch between C and F measurement units:



1. Remove the battery cover as indicated.

2. Toggle the °C/°F button as indicated by the arrow to select the unit of measurement required.

3. Re-insert the battery cover and close the battery compartment.

Normal Body Temperature & Fever

The temperature in the forehead and temple area differs from the internal temperature, which is taken orally or rectally. Vasoconstriction, an effect which constricts the blood vessels and cools the skin, can occur during the early stages of a fever. In this case, the temperature measured by the Infrared Forehead Thermometer may be unusually low. If the measurement therefore does not match the patient's own perception or is unusually low, repeat the measurement every 15 minutes. As a reference, you can also measure the internal body temperature using a conventional oral or rectal thermometer. Body temperature can vary from one individual/person to the next. It also varies by location on the body and the time of day. The table below shows the statistical normal ranges from different sites, even at the same time, should not be directly compared. Fever indicates that the body temperature is higher than normal. This symptom may be caused by infection, overdressing or immunization. Some people may not experience fever even when they

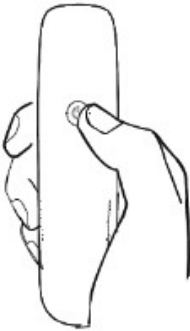
are ill. These include, but are not limited to, infants younger than 3 months old, persons with compromised immune systems, persons taking antibiotics, steroids, or antipyretics (aspirin, ibuprofen, acetaminophen), or persons with certain chronic illnesses. Please consult your physician when you feel ill even if you do not have a fever.


Table 1 - Body Site Normal Temperature Range

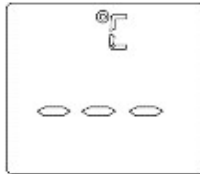
Oral	0.6°C (1°F) or more above or below 37°C (98.6°F)
Rectal/Ear	0.3°C to 0.6°C (0.5°F to 1°F) higher than oral temperature
Axillary (Armpit)	0.3°C to 0.6°C (0.5°F to 1°F) lower than oral temperature
Forehead (Temporal)	0.3°C to 0.6°C (0.5°F to 1°F) lower than oral temperature

Forehead Temperature Measurement

1. Switch the thermometer on




Press and release the Power/Scan button  to turn on the thermometer, a °C or °F should appear. A beep will sound when the button is released, and Forehead Mode is now on.



2. Move the probe close to the forehead.

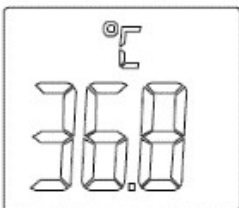


Ensure the probe is flat, close to the forehead (within 1cm) and not at an angle. Press and release the Scan button , after approximately 1 second, 3 short beeps will sound indicating that the measurement is complete.



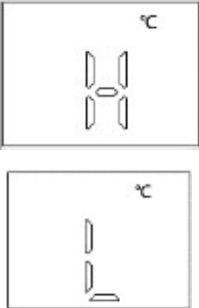
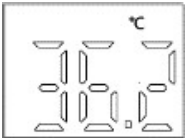
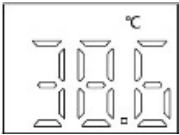
Do not touch the patient's forehead with the thermometer.

3. Read the result.



The measurement result will be displayed on the screen for approx. 15 seconds, a beep will sound and the device will turn off.

Measurement Result Meaning

Displayed Result	Description
	<p>Outside Measurement Range</p> <p>Measured temperature falls outside the thermometers range of 32°C to 43°C (89.6°F to 109.4°F).</p> <ul style="list-style-type: none"> • ‘H’ = High temperature >43°C (109.4°F) • ‘L’ = Low temperature <32°C (89.6°F) <p>Three short beeps are sounded.</p>
	<p>Normal Measurement</p> <p>Measured temperature is within the normal range of 32°C to 37.5°C (89.6°F to 99.5°F), the measurement is displayed and three short beeps sounded.</p>
 <p>Temperature result is flashed on/off for 5 seconds.</p>	<p>Fever Alarm</p> <p>Measured temperature is within the fever range ≥37.5°C to 43°C (89.6°F to 109.4°F) , the measurement is flashed on/off for 5 seconds and ten short beeps sounded.</p>

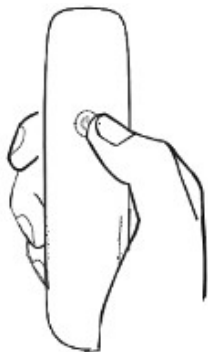



NOTES:

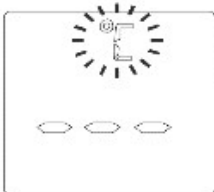
- When measuring the forehead temperature, ensure the probe is not placed at an angle during measurement, or the reading will be affected by the surrounding temperatures.
- Sweat or oil on the forehead can affect the temperature reading. The reading should only be used as a reference in this case.
- Babies skin reacts very quickly to the ambient temperatures. Therefore, do not take their temperature during or after breast or bottle feeding, because the skin temperature may be lower than the internal body temperature.

Object Temperature Measurement

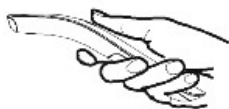
1. Switch the thermometer on.




Press and hold the Power/Scan button  for approximately 5 seconds, then release, to turn on the thermometer, a flashing °C or °F should appear. A beep will sound when the button is released, and Object Mode is now on.

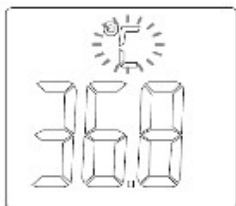


2. Move the probe close to the object.



Ensure the probe is flat and close to the object (within 1cm) and not at an angle. Press and release the Power/Scan button , after approximately 1 second, 3 short beeps will sound indicating the measurement is complete.

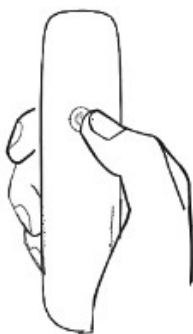
3. Read the result.




The measurement result will be displayed on the screen for approximately 15 seconds, a beep will sound and the device will turn off.


Memory Function

The thermometer can store up to 20 temperature measurements. When the number of measurements exceeds 20, the oldest measurement will be replaced by a new measurement. To view the stored measurements:



1. Press and hold the Power/Scan button  for approximately 8 seconds until “1” is displayed then release, to turn on the thermometer and enter the memory mode. This is indicated by a ‘1’ on the display.




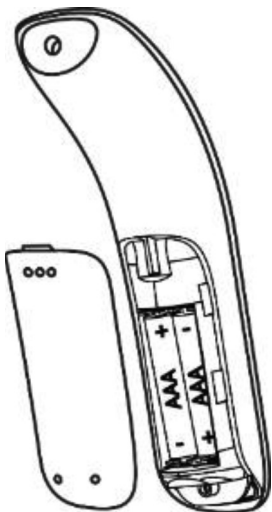
2. Press the Power/Scan button  each time to cycle through the saved measurements.

Measurements are displayed from newest (1) to oldest (20).

3. To exit the memory mode, allow the thermometer to remain idle for 5 seconds, a beep will sound and the device will turn off.

Battery Replacement

When the low battery symbol  is displayed on the screen, please replace the batteries.



1. Remove the battery cover as indicated.

2. Remove the old batteries and replace with two new 1.5V AAA alkaline batteries. Make sure the batteries polarities (+/-) are positioned correctly. This is displayed on the back of the battery cover.

3. Re-insert the battery cover and close the battery compartment.



Note:

- The thermometer will continue to work when the low battery symbol is displayed but it is recommended that the batteries are replaced immediately to ensure accurate measurements.
- Keep batteries out of reach of children. If swallowed, see medical assistance immediately.

Cleaning & Care

- **Cleaning the probe:** Very gently wipe the surface with a dry cotton swab.
- **Cleaning the unit body:** Use a soft, dry cloth to clean.



NOTE:

- In order to ensure the accuracy of the measurement, the probe lens must be kept clean.
- Do not use abrasive cleaners.
- Do not use other non-recommended methods to perform cleaning.
- This device is not waterproof; do not drop, submerge or place the device under water or any liquids.

Maintenance & Storage

1. Store the thermometer in a cool and dry location, free from dust and away from direct sunlight.
2. If the thermometer is not going to be used for a long period remove the batteries.





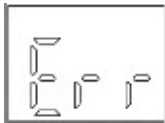
Disposal

Dispose of the device and batteries in accordance with local regulations. Dispose of at a designated public collection point in EU Countries – Directive 2012/19/EU WEEE Directive. If you have any queries, please refer to your local waste disposal authority. To protect the environment, dispose of used batteries at your local retail store or a designated public collection sites.



System Troubleshooting
















Please follow the guidance below, if the problem persists, please contact the customer service line for help.

Trouble/ Error Message	Explanation	Action
	The environmental temperature is below the operating range.	Place the thermometer in an environment with a temperature range between 10°C to 40°C (50°F to 104°F).
	The environmental temperature is above the operating range.	Place the thermometer in an environment with a temperature range between 10°C to 40°C (50°F to 104°F).
	When the low battery symbol  is displayed this indicates the batteries are low.	Please replace the batteries immediately.
	If the thermometer is broken or affected by EMF.	Please contact the customer service line.

Specification

Model No:	FT 100C
Dimensions & Weight:	156 x 43 x28mm, 70g (including batteries)
Power Source:	2 x 1.5V AAA Alkaline Batteries
Displayed Temperature Range:	Forehead: 32°C to 43°C (89.6°F to 109.4°F) Object: 0°C to 90°C (32°F to 194°F)
Display Resolution:	0.1°C / 0.1°F
Accuracy: For Body Mode (EN 80601-2-56-2017 +A1 2020):	±0.2°C (±0.4°F) from 35°C (95°F) to 42°C (107.6°F) ±0.3°C (±0.5°F) from 32°C (89.6°F) to 34.9°C (94.8°F) and from 42.1°C (107.7°F) to 43°C (109.4°F)
Accuracy: For Body Mode (ASTM E 1965-1998(2016):	±0.2°C (±0.4°F) from 36°C (96.8°F) to 39°C (102.2°F) ±0.3°C (±0.5°F) from 32°C (89.6°F) to 35.9°C (96.6°F) and from 39.1°C (102.4°F) to 43°C (109.4°F)
Accuracy For Object Mode:	±4°C (±7°F) from 0°C (32°F) to 31.9°C (89.4°F) ±0.3°C (±0.5°F) from 32°C (89.6°F) to 34.9°C (94.8°F) ±0.2°C (±0.4°F) from 35°C (95°F) to 42°C (107.6°F) ±0.3°C (±0.5°F) from 42.1°C (107.7°F) to 43°C (109.4°F) ±4°C (±7°F) from 43.1°C (109.5°F) to 90°C (194°F)
Temperature Unit:	°C or °F
Operating Temperature Range and Humidity	10°C to 40°C (50°F to 104°F), <= 95% RH
Storage Temperature and Humidity Range:	5°C to 55°C (-13°F to 131°F) <= 95% RH
Memory Capacity:	20 measurements

Symbols

	Consult instructions for use		Date of Manufacture
	Manufacturer		Lot Number
	Caution, see instructions for use		Catalogue number
	CE mark		Store between 5°C-55°C
	Medical Device		Keep away from sunlight
	Authorized representative in the European Community		Keep dry
	Type BF Equipment		Importer
	Do not use if package is damaged		

Warranty

The thermometer has a one-year warranty from the date of purchase. This does not include the batteries. The warranty is void if unauthorised opening of the thermometer occurs, and/or repairs or servicing carried out by unauthorised personnel. Failures resulting from accidental or malicious damage, tampering, poor maintenance, fire or any other acts beyond human control and improper use of the thermometer not in accordance with the directions.

Reference Standards

Device Standard

The device corresponds to the requirements of the following standards:

- ASTM E1965-98:2016, EN 80601-2-56:2017+A1 2020
- IEC 60601-1-2:2014
- IEC 60601-1-6:2020

Electromagnetic Compatibility:

The device fulfils the stipulations of the standard IEC 60601-1-2.

The stipulation of EU-Directive 93/42/EEC for Medical Devices Class IIa have been fulfilled.



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